

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-007294**Date Inspected:** 29-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Huang Wen pang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Floor Beam**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, D.Sukanthan was present during the time noted above for observations relative to the work being performed.

OBG # BAY 3

This QA inspector performed Magnetic Particle Test of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated an Magnetic Particle Test report for this date. The member is identified as Floor Beam. The weld designations reviewed are as follows:

(FB009-034-014,030,031,032,039,022,023,013) Side -B

(FB016-040-021,022,023,030,031,032,039,010) Side -B

This QA Inspector randomly observed the following work in progress:

OBG # BAY 1

Flux Cored Arc Welding Process:

Welding of weld joint -025,031 located on PCMK FB205-013. Welder is identified as 250672. ZPMC QC is identified as Huang Wen pang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2231-B-U2-F.

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## WELDING INSPECTION REPORT

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Welding of weld joint –025,031 located on PCMK FB204-004. Welder is identified as 250672. ZPMC QC is identified as Huang Wen pang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2233-B-U2-F.

OBG # BAY 2

Flux Cored Arc Welding Process:

Welding of weld joint –011,012,015,016 located on PCMK FB003-175. Welder is identified as 062708. ZPMC QC is identified as Huang Wen pang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2132-3 / WPS-B-T-2133.

Welding of weld joint –037,038 located on PCMK FB003-169. Welder is identified as 203871. ZPMC QC is identified as Huang Wen pang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2132-3.

OBG # BAY 3

Flux Cored Arc Welding Process:

Welding of weld joint –001,011,012 located on PCMK FB012-035. Welder is identified as 048038. ZPMC QC is identified as Huang Wen pang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2132-3.

Welding of weld joint –081,082 located on PCMK FB003-198. Welder is identified as 044790. ZPMC QC is identified as Huang Wen pang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2133.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No Relevant Conversation

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Sukanthan,Dhanasingh	Quality Assurance Inspector
<b>Reviewed By:</b>	Prue,Erik	QA Reviewer

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